

IN THE CLAIMS:

C1  
1. (Currently amended) A process for forming workpieces in a forming system which has at least one forming station, comprising transporting the workpieces from or to the at least one forming station, and, during transport of a particular workpiece within the forming system, carrying out [a] an energy beam machining of the particular workpiece with a local [energy feed to the particular workpiece] energy beam device movable in at least one linear direction and tiltable so as to produce an energy beam substantially perpendicular to curved surfaces of the particular workpiece.

2. (Cancelled)

3. (Original) The process according to claim 2, wherein the beam machining of the workpiece is a laser beam machining, a plasma jet machining, a water jet machining or a sandblasting machining.

4. (Previously amended) The process according to claim 2, wherein the energy beam machining of the workpiece comprises welding machining, cutting machining, and removal machining.

5. (Original) The process according to claim 1, wherein the machining of the workpiece comprises a feeding of electromagnetic energy into the workpiece.

6. (Original) The process according to claim 1, wherein the forming system operates at a predetermined cycle, with the machining of the workpiece being carried out with a local energy feed in the predetermined cycle.

7. (Cancelled) /

C2 8. (Currently amended) The process according to [one of] claim 1, wherein the machining of the workpiece is carried out while the workpiece is situated in the area of the forming station.

9. (Original) The process according to claim 8, wherein during the machining in the area of the forming station, the workpiece is situated on a depositing element.

10. (Previously amended) The process according to claim 1, wherein during the machining in the area of the forming station, the workpiece is situated on an intermediate depositing device.

11. (Original) The process according to claim 10, wherein the intermediate depositing device is moved for machining the workpiece.

C3 12. (Currently amended) A forming system for carrying out a process of forming sheet metal workpieces, comprising at least one forming station configured to produce three-dimensional contours in the sheet metal workpieces, means for transporting the workpieces from and to the at least one forming station, and at least one machining station with an energy beam device for [the] local energy feeding arranged inside the forming system and on a transport

device for the sheet metal workpieces and configured such that the energy beam device is movable in at least one linear direction and is tilttable so as to produce an energy beam substantially perpendicular to curved surfaces of the workpieces.

C3      13. (Currently amended) A forming system for carrying out a process of forming sheet metal workpieces, comprising at least one forming station configured to produce three-dimensional contours in the sheet metal workpieces, means for transporting the workpieces from or to the at least one forming station, and at least one machining station having an energy beam device for [the] local energy feeding [fixedly] arranged inside the forming system and configured such that the energy beam device is movable in at least one linear direction and is tilttable so as to produce an energy beam substantially perpendicular to curved surfaces of the workpieces.

14. (Original) The system according to claim 12, wherein the machining device is provided with at least one machining element.

15. (Original) The system according to claim 12, wherein the transport device has at least one rail and at least one suction bridge movably arranged on the rail, on which suction bridge the at least one machining device is mounted.

16. (Original) The system according to claim 15, wherein at least one machining element is mounted via a guiding element on the suction bridge.

17. (Original) The system according to claim 16, wherein at least one machining element is mounted on the guiding element via a manipulation device.

18. (Original) The system according to claim 12, wherein the transport device has at least one separate slide block on which the at least one machining station is mounted.

19. (Original) The system according to claim 18, wherein the machining element is mounted on the slide block by way of an adjusting element, the machining element being arranged to be movable via the adjusting device transversely to the transport direction of the workpiece.

20. (Original) The system according to claim 19, wherein the at least one machining element is mounted on a separate manipulation device in the forming system.

21. (Original) The system according to claim 17, wherein the manipulation device is configured to be programmable.

22. (Original) The system according to claim 20, wherein the manipulation device has a cross traverse and at least one stroke element provided for vertical adjustment of the cross traverse.

23. (Currently amended) The system according to claim 22, wherein  
C4 the at least one machining element is arranged to be movable approximately

perpendicularly to the transport direction constituting one of the linear directions.

24. (Currently amended) The system according to claim 23, wherein  
the at least one machining element is arranged to be movable by a linear guide  
at least approximately perpendicular to the transport direction constituting one of the linear directions.

25. (Original) The system according to one of claim 12, wherein the  
at least one machining element comprises a laser head.